

ABSTRACT

Methods, apparatus, and other mechanisms are disclosed for generating accounting or other data based on that indicated in access control lists or other 5 specifications, and typically using associative memory entries in one or more associative memory banks and/or memory devices. One implementation identifies an access control list including multiple access control list entries, with a subset of these access control list entries identifying accounting requests. Accounting mechanisms are associated with each of said access control list entries in the subset of access control list entries identifying 10 accounting requests. An item is identified, and a corresponding accounting mechanism is updated. In one implementation, the item includes at least one autonomous system number. In one implementation, at least one of the accounting mechanisms is associated with at least two different access control list entries in the subset of access control list entries identifying accounting requests.

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